Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1 (Original). Apparatus to determine prices of products priced by weight comprising:

    a camera for detecting and identifying a product by type;

    means for determining a volume of the product based on image information from the camera;

    a database of lookup tables of densities of a plurality of products; and

    a computer terminal which receives product type and volume of the product information and accesses the database to determine a density for the product, the computer terminal computing a weight of the product as a function of volume and density of the product and then computing a price of the product as a function of price/weight ratio.

2 (Original). The apparatus recited in claim 1, wherein the apparatus is part of a checkout station in a retail store.

3 (Original). The apparatus recited in claim 2, further comprising a display connected to the computer which displays the calculated price of the product.

4 (Original). The apparatus recited in claim 3, wherein the computer generates a running total of prices for a plurality of products as part of a single transaction and displays the running total on the display.

5 (Original). The apparatus recited in claim 3, further comprising a connected to the computer which prints the running total.

6 (Original). The apparatus recited in claim 1, wherein the computer terminal categorizes the product within one of a plurality of weight ranges, the price of the product being a function of the weight ranges.

7 (Original). A method of determining a product weight and calculating price comprising the steps of:

    detecting a product with a camera;

    identifying the product by type;

    determining a volume of the product from an image of the product;

    accessing a database of densities of a plurality of products and determining a density for the detected and identified product;

    calculating a weight of the product as a function of volume and density of the product; and

    calculating a price of the product as a function of the calculated weight and price/weight ratio.

8 (Original). The method recited in claim 7, further comprising the step of displaying the calculated price of the product.

9 (Original). The method recited in claim 8, further comprising the step of generating a running total of prices for a plurality of products as part of a single transaction.

10 (Original). The method recited in claim 9, further comprising the step of printing the running total upon completing of the transaction.

11 (Original). The method recited in claim 7, further comprising the step of categorizing the product within one of a plurality of weight ranges, the price of the product being a function of the weight ranges.